

STANDARD FORM NO. 64

**CONFIDENTIAL**  
*Office Memorandum* • UNITED STATES GOVERNMENT

TO : Chief, R&D/EP

DATE: 25 April 1960

FROM : Chief, R&D Laboratory

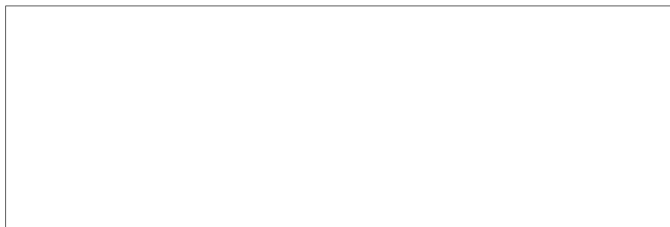
SUBJECT: Evaluation of the Recorder/Reproducer Magnetic Tape, CB-14  
(Project No. 2004-159)

An evaluation was attempted on the subject equipment. Because of the various defects found, the evaluation was suspended and the equipment returned to you. A list of the defects is attached.



25X1

Attachment: A&A Report No. 260



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**A&A Report No. 260 (Interim)**

**CB-14 RECORDER/REPRODUCER AND BATTERY CHARGER**

25X1

The attempt to evaluate the CB-14 prototype equipment was terminated because of the many defects found:

- (a) The accessory battery charger was defective.

This defect was corrected by resoldering poor connections.

- (b) The recorder initially blew fuses.

This was corrected by removing a short circuit which had occurred inadvertently when the unit was placed in its case.

- (c) Protruding components make removal and replacement of the recorder in its case difficult.

- (d) The playback amplifiers are mounted insecurely and rub the flywheel.

- (e) The tape transport slows down in either the play or record mode when any headphones other than crystal (20 megohms) are connected to the output.

- (f) The playback speed of the tape transport is different from the record speed when the monitor switch is in the "tape" position.

- (g) The capstan motor requires approximately 3 seconds to reach normal record or playback speed.

- (h) The unit does not record on channel 2.

- (i) No output is observed when the monitor switch is in the "monitor" position.

- (j) Excessive solder flux on most of the printed circuit boards may cause unwanted corrosion.

- (k) The printed circuitry on some of the printed boards is detached from its phenolic base.

- (l) No trouble-shooting information or schematic diagrams are furnished with the equipment.

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